United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Friday, February 27, 2009
From: Joe Fredle, OSC

To: W. Messenger, Region 5
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Subject: Final POLREP
General Oil/ Ford Pond
Mill Pond Park, Northville, MI
Latitude: 42.4322
Longitude: -83.4764

POLREP No.:	2	**Site #:**	B53S
Reporting Period:		**D.O. #:**	
Start Date:	1/12/2004	**Response Authority:**	CERCLA
Mob Date:		**Response Type:**	Time-Critical
Completion Date:	2/27/2009	**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description
The General Oil Site is located in a commercial, industrial, and residential area of Northville, Michigan. The Ford Pond Operable Unit is located to the west of the General Oil property and the CSX Railroad right-of-way that borders it. Ford Pond is in Mill Pond Park with easy public access to the contaminated area.

A coal depot reportedly occupied the Site between the late 1800s through 1950. Beginning in 1950, Mergraf Oil occupied the General Oil property. Mergraf Oil reportedly used five unlined lagoons to recover waste oils at the property. Presently, all the lagoons have been closed but the manner in which they were closed is undocumented. PCB-contaminated oil from the Site has contaminated the groundwater and is presently seeping into Ford Pond.

In April 2002, the MDEQ asked U.S. EPA Superfund Program for assistance in stopping the PCB-contaminated oil from seeping into Ford Pond. A Site assessment done by U.S. EPA in June of 2002 confirmed that oil containing PCBs in the 25 to 150 parts per million (ppm) range was seeping into Ford Pond.

Current Activities
Oct. 2004- Carbon units were added to the treatment system.

Nov. 18, 2004- direct discharge of the effluent from the treatment system commenced with biweekly sampling of the effluent.
Feb. 2005- Two of the monitoring wells were abandoned due to artesian conditions and six new wells were installed.
April 2005- The original interceptor trench was sealed by placing approximately two feet of bentonite grout along the bottom of the interceptor trench to reduce the flow of water from the underlying sand and gravel unit. This effort was only partially successful.
Oct. 2005- The original interceptor trench and the new collection trench were connected in an attempt to facilitate oil collection by the system, which had not yet recovered any oil. It was noted that during the trench connection activities the collection trench was found to be located below the groundwater table and yet there was minimal flow entering the manhole.
Nov. 2005- It was determined a buildup of iron bacteria within the new collection trench was hindering the collection of oil in the system. The collection trench was cleaned.
Dec. 2005- With the clean collection trench and the opening of the new valve between the original trench and the new trench oil has started to be collected but this has also increased the flow of water thru the system and simultaneously is increasing the amount ant rate of biofouling of the system, the system now needs to be cleaned every 3-4 weeks.
Feb. 2006- The valve between the old and new trenches was closed to slow down the biofouling until a solution can be found.
July 2006- approximately 165 gal. of oil were disposed of off site.
Sept. 2006- The collection and treatment system was cleaned. Electrostatic units were installed to address the biofouling issue.
Oct. 2006- Oil skimmer pump need repair and is taken out of service.
Feb. 2007- A new oil skimmer was installed in the system.
March 2007- Larger electrostatic rods were installed in the system.
May 2007- The valve between the old and new trench has been reopened and oil has started to be collected again.
Sept. 2007- Replaced water level sensor in system.
Feb. 27, 2009- OSC approved Operation and Maintenance Plan for system.

Planned Removal Actions
Operation and Maintenance will continue under the monitoring of the MDEQ.

Next Steps
PRP's will submit a Final report for the site once they obtain a NPDES Permit from MDEQ.

Key Issues
Obtain an NPDES permit for the discharge.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
Intramural Costs				

Total Site Costs	$0.00	$0.00	$0.00	0.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

www.epaosc.net/GeneralOil-FordPond